

AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT				1. CONTRACT ID CODE <div style="text-align: center;">J</div>		PAGE OF PAGES <div style="text-align: center;">1 7</div>	
2. AMENDMENT/MODIFICATION NO. <div style="text-align: center;">0004</div>		3. EFFECTIVE DATE <div style="text-align: center;">18-Sep-2003</div>		4. REQUISITION/PURCHASE REQ. NO. <div style="text-align: center;">W16ROE-3217-9348</div>		5. PROJECT NO.(If applicable)	
6. ISSUED BY USA ENGINEER DISTRICT, NEW YORK ATTN: CENAN-CT ROOM 1843 26 FEDERAL PLAZA (DACA51) NEW YORK NY 10278-0090		CODE <div style="text-align: center;">DACA51</div>		7. ADMINISTERED BY (If other than item 6) OFC ENGR & SPEC PROJ TEAM USACOE-NY DISTRICT ENGR MGT BR/OFC ENGR&S NEW YORK NY 10278-0090			
8. NAME AND ADDRESS OF CONTRACTOR (No., Street, County, State and Zip Code)				<input checked="" type="checkbox"/> 9A. AMENDMENT OF SOLICITATION NO. <div style="text-align: center;">DACA51-03-B-0024</div>			
				<input checked="" type="checkbox"/> 9B. DATED (SEE ITEM 11) <div style="text-align: center;">22-Aug-2003</div>			
				10A. MOD. OF CONTRACT/ORDER NO.			
				10B. DATED (SEE ITEM 13)			
CODE		FACILITY CODE					
11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS							
<input checked="" type="checkbox"/> The above numbered solicitation is amended as set forth in Item 14. The hour and date specified for receipt of Offer <input checked="" type="checkbox"/> is extended, <input type="checkbox"/> is not extended. Offer must acknowledge receipt of this amendment prior to the hour and date specified in the solicitation or as amended by one of the following methods: (a) By completing Items 8 and 15, and returning _____ copies of the amendment; (b) By acknowledging receipt of this amendment on each copy of the offer submitted; or (c) By separate letter or telegram which includes a reference to the solicitation and amendment numbers. FAILURE OF YOUR ACKNOWLEDGMENT TO BE RECEIVED AT THE PLACE DESIGNATED FOR THE RECEIPT OF OFFERS PRIOR TO THE HOUR AND DATE SPECIFIED MAY RESULT IN REJECTION OF YOUR OFFER. If by virtue of this amendment you desire to change an offer already submitted, such change may be made by telegram or letter, provided each telegram or letter makes reference to the solicitation and this amendment, and is received prior to the opening hour and date specified.							
12. ACCOUNTING AND APPROPRIATION DATA (If required)							
13. THIS ITEM APPLIES ONLY TO MODIFICATIONS OF CONTRACTS/ORDERS. IT MODIFIES THE CONTRACT/ORDER NO. AS DESCRIBED IN ITEM 14.							
A. THIS CHANGE ORDER IS ISSUED PURSUANT TO: (Specify authority) THE CHANGES SET FORTH IN ITEM 14 ARE MADE IN THE CONTRACT ORDER NO. IN ITEM 10A.							
B. THE ABOVE NUMBERED CONTRACT/ORDER IS MODIFIED TO REFLECT THE ADMINISTRATIVE CHANGES (such as changes in paying office, appropriation date, etc.) SET FORTH IN ITEM 14, PURSUANT TO THE AUTHORITY OF FAR 43.103(B).							
C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF:							
D. OTHER (Specify type of modification and authority)							
E. IMPORTANT: Contractor <input type="checkbox"/> is not, <input type="checkbox"/> is required to sign this document and return _____ copies to the issuing office.							
14. DESCRIPTION OF AMENDMENT/MODIFICATION (Organized by UCF section headings, including solicitation/contract subject matter where feasible.) The purpose of this amendment is to: 1) Change the bid opening date to 26 Sep 2003, 11:30am local time same location. 2) Incorporate submitted questions and answers by the Government. 3) Incorporate general changes and clarifications. 4) To replace drawing A403 with a revised A403 and to add an additional drawing FP3. Answers submitted are for information purposes only. All other terms remain unchanged as a result of this amendment. Note: Bidders must acknowledge receipt of this amendment by the date specified in the solicitation (or as amended) by one of the following methods: In the space provided on the SF1442, by separate letter, or by telegram, or by signing the block 15 below. FAILURE TO ACKNOWLEDGE AMENDMENTS BY THE DATE AND TIME SPECIFIED MAY RESULT IN REJECTION OF YOUR BID IN ACCORDANCE WITH THE LATE BID, LATE MODIFICATIONS OF BIDS OR LATE WITHDRAWAL OF BIDS (FAR 14.304) Except as provided herein, all terms and conditions of the document referenced in Item 9A or 10A, as heretofore changed, remains unchanged and in full force and effect.							
15A. NAME AND TITLE OF SIGNER (Type or print)				16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print)			
				TEL: _____ EMAIL: _____			
15B. CONTRACTOR/OFFEROR _____ (Signature of person authorized to sign)		15C. DATE SIGNED		16B. UNITED STATES OF AMERICA BY _____ (Signature of Contracting Officer)		16C. DATE SIGNED <div style="text-align: center;">18-Sep-2003</div>	

EXCEPTION TO SF 30
APPROVED BY OIRM 11-84

30-105-04

STANDARD FORM 30 (Rev. 10-83)
Prescribed by GSA
FAR (48 CFR) 53.243

SECTION SF 30 BLOCK 14 CONTINUATION PAGE

SUMMARY OF CHANGES

SECTION SF 30 - BLOCK 14 CONTINUATION PAGE

The following have been added by full text:

AMENDMENT 0004

Question: Dwg. C-001 Site & Utility Plan has large dark spots blocking the building and appurtenances. Please provide a legible drawing if possible.

Response: Information provided on Drawing C-001 "Site and Utility Plan" is adequate and should not compromise the accuracy of the bid. The new construction items shown on that drawing can be quantified utilizing the scale provided.

Question: Dwg. A-503 has one window height of 4' - 7 1/2" which we believe is applicable to all other windows. However, Dwg. A-200 elevation scales to 6' - 6" high; A-300 section shows 1st floor window as 4' - 4"; second floor window as 4'-6" high. We assume all windows to be 4' - 7 1/2" high as shown on A-503. Please confirm.

Response: General note #1 states "Do not scale drawings for exact dimensions." 4'-7 1/2" shall be used as the approximate height of the rough opening of the windows. Window replacement note #1 states "All dimensions given are to be field verified by contractor before renovation work is to begin. Refer to general notes on drawing A-100."

Question: Dwg. A-601 Door Schedule. Please confirm that 3rd column from the left to read "Mat'l" instead of "Frame Type".

Response: Correct, 3rd column should be labeled "Material".

Question: Dwg. A-600 Finish Schedule. Please advise finish on existing structure ceilings, as no finish is specified in Finish column. also advise finish on 2nd Floor Billeting Rooms.

Response: See amendment 3.

Question: Dwg. D-100 Demolition Note 10 calls for removing existing stair handrails and railings. Please provide details for new railings if contractor has to install new railings.

Response: Detail is provided on amended Drawing A403.

Question: Dwg. D-100 Demolition Notes 13 thru 18. Please advise if there is any asbestos containing material (ACM) exists on the roof and its components (mastic, sealant, adhesive, etc). If so, who is responsible for ACM abatement? Notes 2 and 11 ditto for flooring. Notes 3 and 5, ditto for lead.

Response: Bid the project according to plans and specs.

Question: Dwgs. D-101 and D-102 call for all furniture shall be removed, disassembled, stored, assembled and relocated by the contractor. However, Spec. Section 00800 indicates that the government will remove all furniture out of Bldg. 5642 (assume bldg. number is typo, as it should be 5652). Please confirm that the gov't will remove & reinstall all furniture in Bldg. 5652.

Response: Specifications govern, any references to furniture have already been eliminated from drawings. See amendment 3.

Question: Mechanical drawings do not show Direct Digital Control (for HVAC) diagram, sequence of operations or system architecture. Are we to provide system diagram as per Section 15951A para. 2.15.10.3 Scheduled Start/Stop Operation? Also, is there a proprietary brand/product being networked in the post, or can we use any product that meets the specs?

Response: Contractor shall provide as part of shop drawing submittal. DDC system for HVAC must only be compatible with existing systems (installed in Building 5651).

Question: Dwg. E-105 and E-106 Fire alarm device (smoke detectors, door holder, etc) locations are different than those shown on Dwg. E-602 Fire Alarm riser Diagram, i.e. E-105 only shows door holder for Room 157 (stairwell), but E-602 also shows a smoke detector and a pull station for the same location. Please advise which drawing we should follow.

Response: Follow the floor plans on drawings E-105 and E-106.

Question: Dwg. ENV-1 Notes 14 thru 21 make reference to various Detail Sheets, which are not included in the solicitation. Please clarify.

Response: The detail sheets are in Publication EP 1110-1-11 ASBESTOS ABATEMENT GUIDELINE DETAIL SHEETS, dated 15 July 1992 with change 1 - 30 September 1997. This document is available online at <http://www.usace.army.mil/inet/usace-docs/eng-pamphlets/ep1110-1-11/toc.htm>

Question: Section 02510a para. 2.1.2 calls when installed underground, ductile iron coating to be as per Section 13110 Cathodic Protection. However, Section 13110 is missing in the bid set.

Response: In Section 02510A, paragraph 2.1.2, replace "pipe shall be coated in accordance with Section 13110 CATHODIC PROTECTION SYSTEM (SACRIFICIAL ANODE)" with "pipe shall be encased with 8 mil thick polyethylene in accordance with AWWA C105."

Question: Section 02556a para. 3.13 ditto.

Response: Delete paragraph 3.13.

Question: Section 05120 Structural Steel para. 1.5 and 3.1 call for steel to be fabricated in a AISC certified shop. Does this (expensive) requirement really apply to simple structures? Also, para. 1.7.1 and 3.2 does the P.E. have to be registered in NJ?

Response: Yes. Yes.

Question: Section 05500a para. 2.13 Ditto for AISC certified shop for steel stairs.

Response: Yes.

Question: Section 08110 HM Doors & Frames. para. 2.4.1 calls for welded frames; para. 2.4.2 calls for knocked down frames. Please clarify which one applies to this project.

Response: Frames for hollow metal doors shall comply with paragraph 2.4.1 of section 08110 for welded frames.

Question: Section 08210 Wood Doors. para. 2.3.4.1 calls for factory finish; para. 2.3.4.2 calls for plastic laminate finish. Please clarify which one applies to this project.

Response: All interior flush doors shall conform to paragraph 2.1.1.2 of section 08210.

Question: Section 08810 Glass & glazing. para. 2.3.1. Please advise where laminated glass is to be used.

Response: Specifications section 08810a, paragraph 2.2.1 states "Tempered glass shall be.... used for exterior insulating pane." Paragraph 2.3.1 states "Laminated glass...shall be...used for interior insulating pane."

Question: Section 10260 para. 2.2.1. Please advise corner guard height. 3' or 6'

Response: 6' high corner guards shall be used.

Question: Section 10260a Window blinds. Please confirm that all windows shall receive blinds, as drawings do not show any.

Response: All windows are to receive new vertical blinds.

Question: 13100A Lightning Protection. Please advise P.E. seal & stamp is required for design.

Response: Yes.

Question: Section 13282N Lead in Construction. Although detailed specification requirements are provided, dwgs. and specs do not show any location or quantity for lead to be removed/abated, except a general Note 13 on Dwg. ENV-1. Shouldn't a unit cost item be added to Bid Schedule for lead abatement in case it is encountered during the construction?

Response: No quantity will be provided. Bidders shall bid the project according to the plans and specs.

Question: Section 13851A para. 1.2 and 1.3.7.3. Does the P.E. have to be registered in NJ? Also, what is the existing system at Supervising Station in the post, as the new system in Bldg. 5652 has to be compatible with it. Can we use any brand that meets the specs, or do you require a specific brand that is being used in the post?

Response: Yes. See paragraph 2.8 and drawings.

Question: Section 13930A Wet Pipe Sprinkler System, para. 1.2.1.2. Please provide Water Flow Test Report, appendix A which is missing in the specs.

Response: See Section 13930A pages 21 through 24 for Appendix A.

Question: Specs include two different type of sprinkler system, wet pipe (Sec. 13930A) and dry pipe (Sec. 13935A). Since FP drawings are silent, we assume wet system in the building, and dry system in mud area. Please confirm.

Response: Note 9 on Drawing FP-1 is changed to read as follows: "9. The entire building shall be fully sprinkled." Section 13935 is deleted.

Question: Section 15070 Seismic Protection for HVAC, para. 1.4. Does the P.E. have to be registered in NJ?

Response: Yes.

Question: Section 1060A Seismic Protection for Electrical, para. 1.2. Does the P.E. have to be registered in NJ?

Response: Yes.

Question: Spec Section 08520, 2.4.4, (page 7) Titled: Window Cleaner Anchors, stated: Window cleaner anchors shall be manufactured of stainless-steel conforming to ASME A39.1. Window frames shall be reinforced to receive window cleaner anchors. Locations of window cleaner anchors shall be as shown.

Should the Window Cleaner Anchors be counted as part of the bid? If so, locations of window cleaner anchors are not shown in the drawing, please specify.

Response: References to window cleaner anchors are hereby omitted from this project. Window cleaner anchors shall not be utilized.

Question: Para. 2.1.2. calls for 24" x 48" panel, Dwgs. A-700 and A-701 shows 24" x 24". Please advise correct size.

Response: The panel size for the acoustical ceiling tile shall be 24" x 24".

Question: Also, same para. 2.1.1 calls for product performance that no manufacturer that we contacted can match:

-Minimum NRC (Noise Reduction Coefficient) of 0.75 can be achieved.

However, products with 0.75 NRC does not meet the minimum CAC requirement of 44 (see next item below).

-Minimum CAC (Ceiling Attenuation Class) of 44 can not be met. Maximum achievable CAC is 40. However, products that meet 35-40 CAC do not meet the NRC 0.75 requirement as noted above.

Response: A minimum Noise Reduction Coefficient (NRC) of 0.70 shall be deemed acceptable for classroom areas. A minimum Ceiling Attenuation Class (CAC) of 35 shall be deemed acceptable for acoustical ceiling tile.

Question: What wood type should be used for the shower benches

Response: Shower benches are to be constructed of a rust resistant, clear anodized aluminum with softly rounded edges and center traces for skid resistant seating. The bench legs shall be of a rust resistant clear anodized aluminum extrusion, unit-welded, and secured to flooring with concrete wedge anchors. The minimum height for the bench shall be 16 in. Standard bench top size shall be 9 1/2 in. wide by a customer specified length not to exceed 96 in. for a single piece. Bench tops shall be a minimum of 1 1/2 in. thick.

Question: ref section 15400a page 53, Bath sinks, p5 and p6 are identified as stainless steel double bowl 42 x 21 countertop sinks. Please clarify or confirm this. Also if drop bowls are required who supplies countertops?

Response: Stainless steel sinks and counter tops are an integrated unit, they are intended to be provide together as one unit.

Question: ref section 15400a page 52, the water closets p1 and p2 are identified as floor mount with flush valve (flushometer valve). But it also identifies a flush tank, please clarify.

Response: See prior amendment which removed the flush tank requirement.

Question: On drawing P1 there is a heating cable specified. Please confirm it's use and where it should be used.

Response: Heat trace cable is used in the mud room area water supply piping and hose bibs exposed to weather. See Drawing P-1, mud room area and drawing P-2 section A-A.

Question: Do the showers require vinyl panning?

Response: Shower stalls shall have an anti-slip vinyl floor pan which shall have a special molded in pattern that will drain and clean easily. The floor pan shall be reinforced with cement or plaster to prevent deformation.

Question: ref section 15400a page 29, 2.12 and 2.12.1 constant speed pressure booster is pump necessary? If so, need more info, like motor, H/P, flow rate, inlet and discharge pressure, control info.

Response: Section 15400A para 2.12 and 2.12.1 should be deleted.

Question: Does each floor require a control valve, floor switch and drain for the sprinkler system?

Response: Yes, see drawing FP-3, provided.

Question: Are windows on Sheet A-200 that do not have an upside down "V" fixed now operable?

Response: Yes

Question: Sheet A200 for windows W4 and W3 do not show vents but window schedule on sheet A503 shows vents, please clarify.

Response: The windows for the bathroom areas shall have obscure glass and comply with what is shown on the window schedule on drawing A-503 as well as what is specified within the Specifications.

Question: Demolition drawings D101 calls for doors only where as A601 calls for new frame. Please clarify.

Response: Demolition note #3 on drawing D-100 states "All existing hollow metal and wood doors and frames, unless otherwise noted, shall be removed. Turn over all hardware to the government...."

Question: Are windows on Sheet A-200 that do not have an upside down "V" fixed now operable?

Response: Yes, all windows shall be operable as stated in the specifications, including those at the bathroom areas.

Question: Specification sections 08520A and 08810A do not determine thickness of glass, please clarify.

Response: PROPERTIES:

Glazing make-up: 1/4"(6mm) solar cool bronze
#1 Tempered
3/8"(10mm) airspace

7/16" Laminated Lite: 3/16"(5mm) clear
.090"(2.28mm)PVB
3/16"(5mm) clear

Question: Plan A503 does not show detail for Head, Jamb, and or sill, please clarify.

Response: Please see details in previous amendment

Question: There are no pipe sizes indicated on drawing M2 for chilled water mains and hw supply and return mains. Please indicate pipe sizes.

Response: See drawing M-2 of Amendment 3.

Question: The underground chilled water supply and return piping from CH-1, is this pipe pre-insulated with a PVC jacket? Is it direct burial, if so what is the insulation specification?

Response: See specification section 15080, Amendment 3, para 2.2.3 and para 3.2.5

Question: Where are the hot water supply and return mains from as indicated on M2?

Response: They are to and from mechanical room, B0001.

Question: Does B-3 and B-4 feed AHU-1 through AHU-6 only?

Response: Yes, supplying only the reheat coils. See drawing M-8, "air handling Unit Schedule"

Question: Unit Heater #1 indicated on drawing M-9 indicated hot water data, there is not heating water supply and return piping shown, please clarify.

Response: UH-1 is to be fed from the existing Boilers B-1 and B-2. Connect to heating water supply and return lines feeding AHU heating coils, HC1 thru HC6.

Question: There is no cold condensate piping shown on any drawing. Please indicate pipe location and sizes.

Response: See note #3 on drawings M-3, M-4 and M-5.

Question: What are voltage and phase motors are required for CHWP 1 & 2, please clarify.

Response: 208 volt, 3 Phase. See electrical Drawings and panel schedules.

Question: Please clarify which type of carpet shall be used (see spec section 09680A para. 2.1.1.1.b).

Response: Modular tile 18x18 inches square with 0.15 percent growth/shrink rate in accordance with ISO 2551 shall be used as the specified type (b.) under paragraph 2.1.1.1 in section 09680A of the specifications.

Question: The specification calls for laminate plastic finish 3, on the toilet partitions. The cleaning instructions refer to baked enamel. Our firm has installed solid plastic on base.

Please clarify what material is required and are the partitions to be overhead braced or floor to ceiling?

Response: Eliminate the reference to "enamel baked" with paragraph 3.2 "Adjusting and Cleaning" of section 10153 in the specifications. The laminated plastic finish indicated in paragraph 2.5.2 shall be used for the toilet partitions and the partitions shall be floor supported and "overhead braced".

General Changes/clarifications:

1. Drawing P-2 Rm 118, change P-8 to P-12.
2. Drawing P-1, Add P-12 to plumbing fixture schedule.
3. Section 15400 para 3.10, change plumbing fixture designations P-15 to P-15 and P-15A.
4. Add the following paragraphs (para 2.11, PUMPS, para 2.11.1, Sump Pumps, 2.11.2, Circulating Pumps) to spec section 15400A. Insert before paragraph 2.10 of this section.

2.11 PUMPS

2.11.1 Sump Pumps

Sump pumps shall be of capacities indicated. The pumps shall be of the automatic, electric motor-driven, submerged type, complete with necessary control equipment and with a split or solid cast-iron or steel cover plate. The pumps shall be direct-connected by an approved flexible coupling to a vertical electric motor having a continuous oiling device or packed bearings sealed against dirt and moisture. Motors shall be totally enclosed, fan-cooled of sizes as indicated and shall be equipped with an across-the-line magnetic controller in a NEMA 250, Type [1] [4] enclosure. Each pump shall be fitted with a high-grade thrust bearing mounted above the floor. Each shaft shall have an alignment bearing at each end, and the suction inlet shall be between 3 and 6 inches above the sump bottom. The suction side of each pump shall have a strainer of ample capacity. A float switch assembly, with the switch completely enclosed in a NEMA 250, Type [1] [4] enclosure, shall start and stop each motor at predetermined water levels. Duplex pumps shall be equipped with an automatic alternator to change the lead operation from one pump to the other, and for starting the second pump if the flow exceeds the capacity of the first pump. The discharge line from each pump shall be provided with a union or flange, a nonclog swing check valve, and a stop valve in an accessible location near the pump.

2.11.2 Circulating Pumps

Domestic hot water circulating pumps shall be electrically driven, single-stage, centrifugal, with mechanical seals, suitable for the intended service. Pump capacities, efficiencies, motor sizes, speeds, and impeller types shall be as shown. Pump and motor shall be [integrally mounted on a cast-iron or steel subbase,] [close-coupled with an overhung impeller,] [or] [supported by the piping on which it is installed]. The shaft shall be one-piece, heat-treated, corrosion-resisting steel with impeller and smooth-surfaced housing of bronze. Motor shall be totally enclosed, fan-cooled and shall have sufficient horsepower for the service required. Pump shall conform to HI 1.1-1.5. Each pump motor shall be equipped with an across-the-line magnetic controller in a NEMA 250, Type 1 enclosure with "START-STOP" switch in cover. Pump motors smaller than Fractional horsepower pump motors shall have integral thermal overload protection in accordance with Section 16415A ELECTRICAL WORK, INTERIOR. Guards shall shield exposed moving parts."

5. Spec section 15400A, para 3.10: For Fixture P-5A, handles shall read as follows: "Handles - Index turn, Lever, Four arm, or Crown type. Cast, formed, or drop forged copper alloy."

6. Spec section 15951A, para 3.3.4.1, shall read as follows:

"3.3.4.1 All Modes

The DDC system shall accept a signal from a sunshielded outside air temperature sensing element and transmitter. The DDC system shall start and stop distribution pump, boiler pump, and boiler at the outside air temperatures shown. The DDC system shall reset the hydronic heating supply temperature setpoint in a linear schedule based on the outside air temperature as shown. The DDC system shall accept a signal from a temperature sensing element and transmitter located in the hydronic heating supply line and the DDC system output shall modulate the hydronic heating system control valve to maintain hydronic heating supply line."

SECTION 00010 - SOLICITATION CONTRACT FORM

The required response date/time has changed from 24-Sep-2003 11:00 AM to 26-Sep-2003 11:30 AM.

(End of Summary of Changes)

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Response: Yes.

Question: Section 13282N Lead in Construction. Although detailed specification requirements are provided, dwgs. and specs do not show any location or quantity for lead to be removed/abated, except a general Note 13 on Dwg. ENV-1. Shouldn't a unit cost item be added to Bid Schedule for lead abatement in case it is encountered during the construction?

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Question: Section 13851A para. 1.2 and 1.3.7.3. Does the P.E. have to be registered in NJ? Also, what is the existing system at Supervising Station in the post, as the new system in Bldg. 5652 has to be compatible with it. Can we use any brand that meets the specs, or do you require a specific brand that is being used in the post?

Response: Yes. See paragraph 2.8 and drawings.

Question: Section 13930A Wet Pipe Sprinkler System, para. 1.2.1.2. Please provide Water Flow Test Report, appendix A which is missing in the specs.

Response: See Section 13930A pages 21 through 24 for Appendix A.

Question: Specs include two different type of sprinkler system, wet pipe (Sec. 13930A) and dry pipe (Sec. 13935A). Since FP drawings are silent, we assume wet system in the building, and dry system in mud area. Please confirm.

Response: Note 9 on Drawing FP-1 is changed to read as follows: "9. The entire building shall be fully sprinkled." Section 13935 is deleted.

Question: Section 15070 Seismic Protection for HVAC, para. 1.4. Does the P.E. have to be registered in NJ?

Response: Yes.

Question: Section 1060A Seismic Protection for Electrical, para. 1.2. Does the P.E. have to be registered in NJ?

Response: Yes.

Question: Spec Section 08520, 2.4.4, (page 7) Titled: Window Cleaner Anchors, stated: Window cleaner anchors shall be manufactured of stainless-steel conforming to ASME A39.1. Window frames shall be reinforced to receive window cleaner anchors. Locations of window cleaner anchors shall be as shown.

Should the Window Cleaner Anchors be counted as part of the bid? If so, locations of window cleaner anchors are not shown in the drawing, please specify.

Response: References to window cleaner anchors are hereby omitted from this project. Window cleaner anchors shall not be utilized.

Question: Para. 2.1.2. calls for 24" x 48" panel, Dwgs. A-700 and A-701 shows 24" x 24". Please advise correct size.

Response: The panel size for the acoustical ceiling tile shall be 24" x 24".

Question: Also, same para. 2.1.1 calls for product performance that no manufacturer that we contacted can match:

-Minimum NRC (Noise Reduction Coefficient) of 0.75 can be achieved.

However, products with 0.75 NRC does not meet the minimum CAC requirement of 44 (see next item below).

-Minimum CAC (Ceiling Attenuation Class) of 44 can not be met. Maximum achievable CAC is 40. However, products that meet 35-40 CAC do not meet the NRC 0.75 requirement as noted above.

Response: A minimum Noise Reduction Coefficient (NRC) of 0.70 shall be deemed acceptable for classroom areas. A minimum Ceiling Attenuation Class (CAC) of 35 shall be deemed acceptable for acoustical ceiling tile.

Question: What wood type should be used for the shower benches

Response: Shower benches are to be constructed of a rust resistant, clear anodized aluminum with softly rounded edges and center traces for skid resistant seating. The bench legs shall be of a rust resistant clear anodized aluminum extrusion, unit-welded, and secured to flooring with concrete wedge anchors. The minimum height for the bench shall be 16 in. Standard bench top size shall be 9 1/2 in. wide by a customer specified length not to exceed 96 in. for a single piece. Bench tops shall be a minimum of 1 1/2 in. thick.

Question: ref section 15400a page 53, Bath sinks, p5 and p6 are identified as stainless steel double bowl 42 x 21 countertop sinks. Please clarify or confirm this. Also if drop bowls are required who supplies countertops?

Response: Stainless steel sinks and counter tops are an integrated unit, they are intended to be provide together as one unit.

Question: ref section 15400a page 52, the water closets p1 and p2 are identified as floor mount with flush valve (flushometer valve). But it also identifies a flush tank, please clarify.

Response: See prior amendment which removed the flush tank requirement.

Question: On drawing P1 there is a heating cable specified. Please confirm it's use and where it should be used.

Response: Heat trace cable is used in the mud room area water supply piping and hose bibs exposed to weather. See Drawing P-1, mud room area and drawing P-2 section A-A.

Question: Do the showers require vinyl panning?

Response: Shower stalls shall have an anti-slip vinyl floor pan which shall have a special molded in pattern that will drain and clean easily. The floor pan shall be reinforced with cement or plaster to prevent deformation.

Question: ref section 15400a page 29, 2.12 and 2.12.1 constant speed pressure booster is pump necessary? If so, need more info, like motor, H/P, flow rate, inlet and discharge pressure, control info.

Response: Section 15400A para 2.12 and 2.12.1 should be deleted.

Question: Does each floor require a control valve, floor switch and drain for the sprinkler system?

Response: Yes, see drawing FP-3, provided.

Question: Are windows on Sheet A-200 that do not have an upside down "V" fixed now operable?

Response: Yes

Question: Sheet A200 for windows W4 and W3 do not show vents but window schedule on sheet A503 shows vents, please clarify.

Response: The windows for the bathroom areas shall have obscure glass and comply with what is shown on the window schedule on drawing A-503 as well as what is specified within the Specifications.

Question: Demolition drawings D101 calls for doors only where as A601 calls for new frame. Please clarify.

Response: Demolition note #3 on drawing D-100 states "All existing hollow metal and wood doors and frames, unless otherwise noted, shall be removed. Turn over all hardware to the government...."

Question: Are windows on Sheet A-200 that do not have an upside down "V" fixed now operable?

Response: Yes, all windows shall be operable as stated in the specifications, including those at the bathroom areas.

Question: Specification sections 08520A and 08810A do not determine thickness of glass, please clarify.

Response: PROPERTIES:

Glazing make-up: 1/4" (6mm) solar cool bronze
#1 Tempered
3/8" (10mm) airspace

7/16" Laminated Lite: 3/16" (5mm) clear
.090" (2.28mm) PVB
3/16" (5mm) clear

Question: Plan A503 does not show detail for Head, Jamb, and or sill, please clarify.

Response: Please see details in previous amendment

Question: There are no pipe sizes indicated on drawing M2 for chilled water mains and hw supply and return mains. Please indicate pipe sizes.

Response: See drawing M-2 of Amendment 3.

Question: The underground chilled water supply and return piping from CH-1, is this pipe pre-insulated with a PVC jacket? Is it direct burial, if so what is the insulation specification?

Response: See specification section 15080, Amendment 3, para 2.2.3 and para 3.2.5

Question: Where are the hot water supply and return mains from as indicated on M2?

Response: They are to and from mechanical room, B0001.

Question: Does B-3 and B-4 feed AHU-1 through AHU-6 only?

Response: Yes, supplying only the reheat coils. See drawing M-8, "air handling Unit Schedule"

Question: Unit Heater #1 indicated on drawing M-9 indicated hot water data, there is not heating water supply and return piping shown, please clarify.

Response: UH-1 is to be fed from the existing Boilers B-1 and B-2. Connect to heating water supply and return lines feeding AHU heating coils, HC1 thru HC6.

Question: There is no cold condensate piping shown on any drawing. Please indicate pipe location and sizes.

Response: See note #3 on drawings M-3, M-4 and M-5.

Question: What are voltage and phase motors are required for CHWP 1 & 2, please clarify.

Response: 208 volt, 3 Phase. See electrical Drawings and panel schedules.

Question: Please clarify which type of carpet shall be used (see spec section 09680A para. 2.1.1.1.b).

Response: Modular tile 18x18 inches square with 0.15 percent growth/shrink rate in accordance with ISO 2551 shall be used as the specified type (b.) under paragraph 2.1.1.1 in section 09680A of the specifications.

Question: The specification calls for laminate plastic finish 3, on the toilet partitions. The cleaning instructions refer to baked enamel. Our firm has installed solid plastic on base. Please clarify what material is required and are the partitions to be overhead braced or floor to ceiling?

Response: Eliminate the reference to "enamel baked" with paragraph 3.2 "Adjusting and Cleaning" of section 10153 in the specifications. The laminated plastic finish indicated in paragraph 2.5.2 shall be used for the toilet partitions and the partitions shall be floor supported and "overhead braced".

General Changes/clarifications:

1. Drawing P-2 Rm 118, change P-8 to P-12.
2. Drawing P-1, Add P-12 to plumbing fixture schedule.
3. Section 15400 para 3.10, change plumbing fixture designations P-15 to P-15 and P-15A.
4. Add the following paragraphs (para 2.11, PUMPS, para 2.11.1, Sump Pumps, 2.11.2, Circulating Pumps) to spec section 15400A. Insert before paragraph 2.10 of this section.

2.11 PUMPS

2.11.1 Sump Pumps

Sump pumps shall be of capacities indicated. The pumps shall be of the automatic, electric motor-driven, submerged type, complete with necessary control equipment and with a split or solid cast-iron or steel cover plate. The pumps shall be direct-connected by an approved flexible coupling to a vertical electric motor having a continuous oiling device or packed bearings sealed against dirt and moisture. Motors shall be totally enclosed, fan-cooled of sizes as indicated and shall be equipped with an across-the-line magnetic controller in a NEMA 250, Type [1] [4] enclosure. Each pump shall be fitted with a high-grade thrust bearing mounted above the floor. Each shaft shall have an alignment bearing at each end, and the suction inlet shall be between 3 and 6 inches above the sump bottom. The suction side of each pump shall have a strainer of ample capacity. A float switch assembly, with the switch completely enclosed in a NEMA 250, Type [1] [4] enclosure, shall start and stop each motor at predetermined water levels. Duplex pumps shall be equipped with an automatic alternator to change the lead operation from one pump to the other, and for starting the second pump if the flow exceeds the capacity of the first pump. The discharge line from each pump shall be provided with a union or flange, a nonclog swing check valve, and a stop valve in an accessible location near the pump.

2.11.2 Circulating Pumps

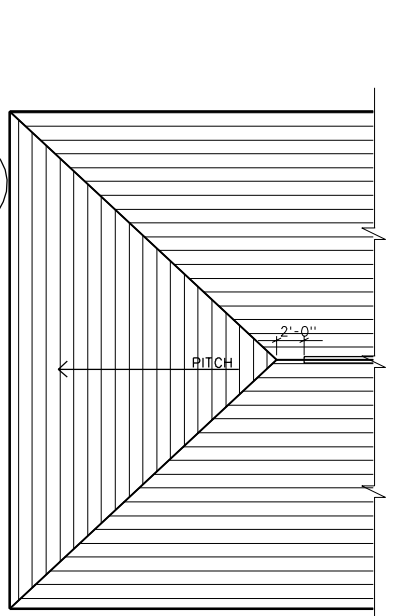
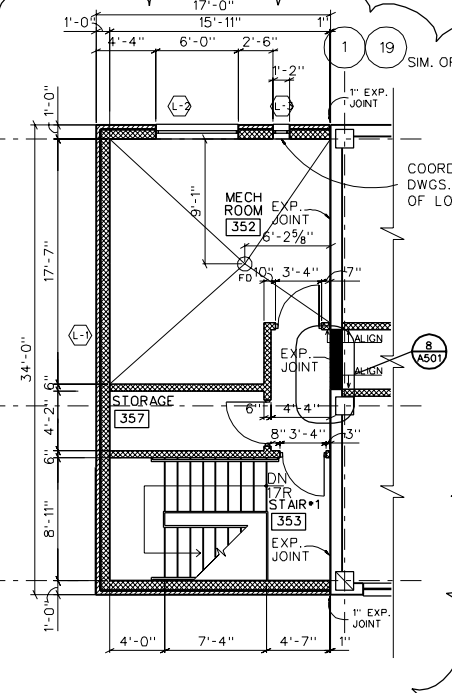
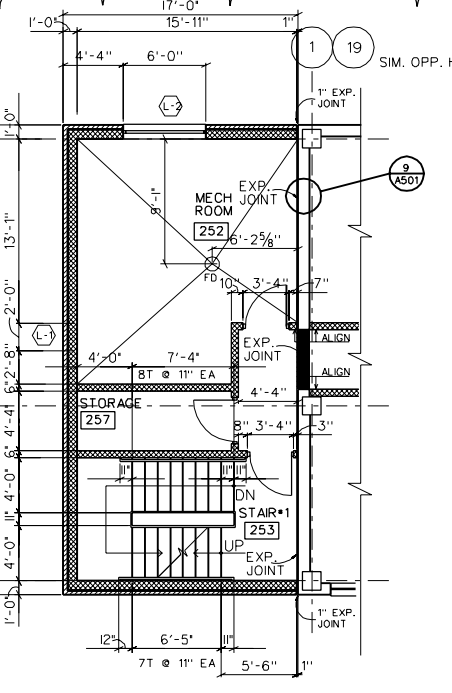
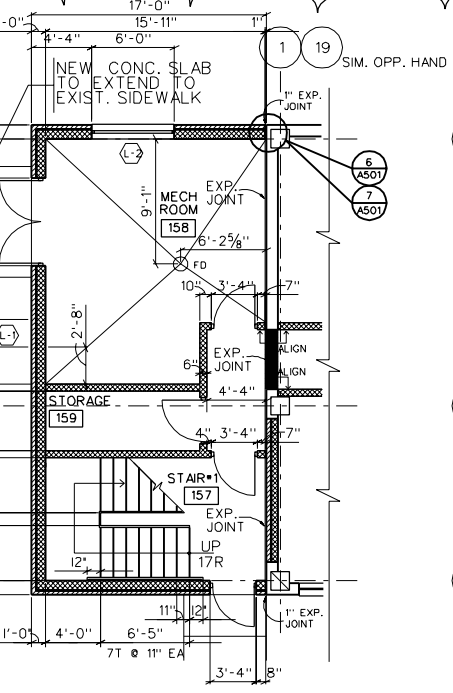
Domestic hot water circulating pumps shall be electrically driven, single-stage, centrifugal, with mechanical seals, suitable for the intended service. Pump capacities, efficiencies, motor sizes, speeds, and impeller types shall be as shown. Pump and motor shall be [integrally mounted on a cast-iron or steel subbase,] [close-coupled with an overhung impeller,] [or] [supported by the piping on which it is installed]. The shaft shall be one-piece, heat-treated, corrosion-resisting steel with impeller and smooth-surfaced housing of bronze. Motor shall be totally enclosed, fan-cooled and shall have sufficient horsepower for the service required. Pump shall conform to HI 1.1-1.5. Each pump motor shall be equipped with an across-the-line magnetic controller in a NEMA 250, Type 1 enclosure with "START-STOP" switch in cover. Pump motors smaller than Fractional horsepower pump motors shall have integral thermal overload protection in accordance with Section 16415A ELECTRICAL WORK, INTERIOR. Guards shall shield exposed moving parts."

5. Spec section 15400A, para 3.10: For Fixture P-5A, handles shall read as follows: "Handles - Index turn, Lever, Four arm, or Crown type. Cast, formed, or drop forged copper alloy."

6. Spec section 15951A, para 3.3.4.1, shall read as follows:

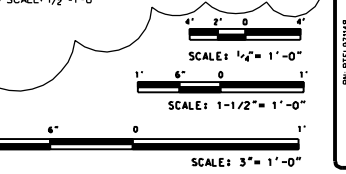
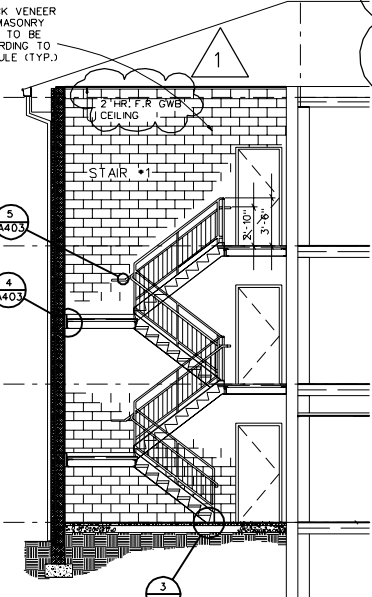
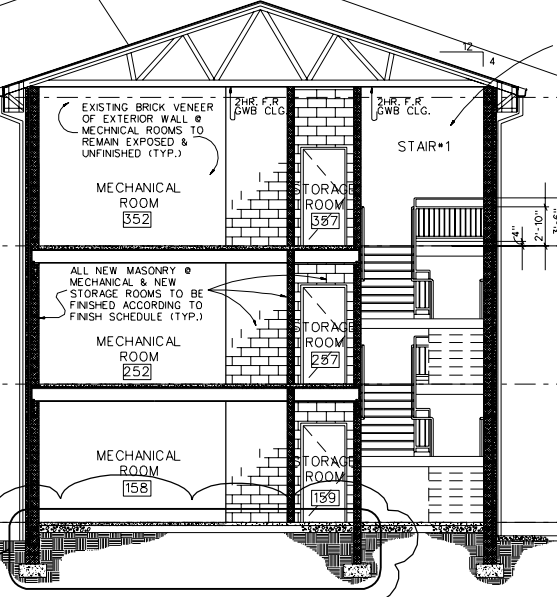
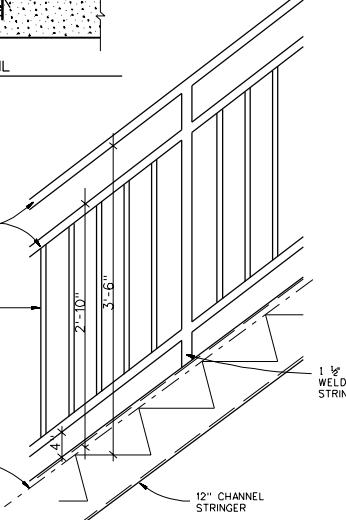
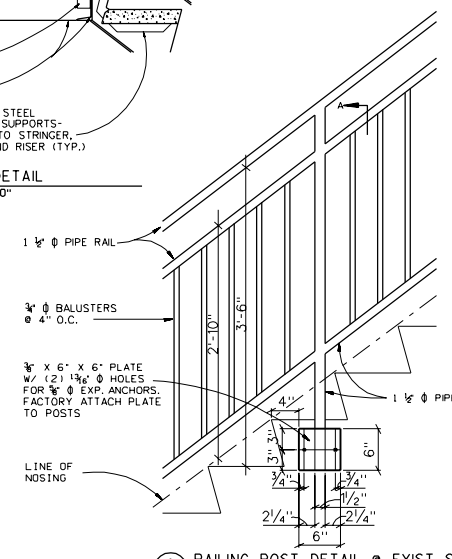
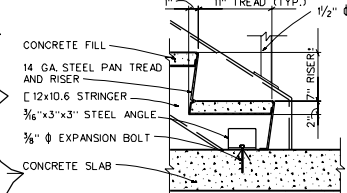
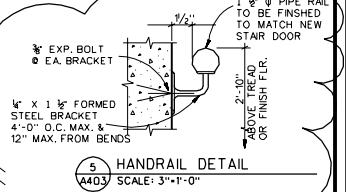
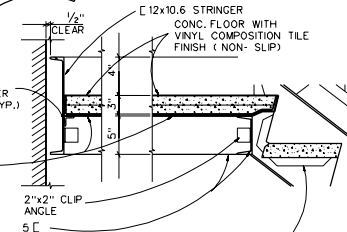
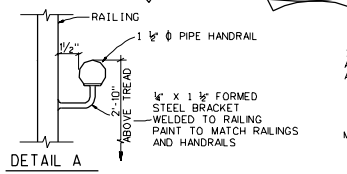
"3.3.4.1 All Modes

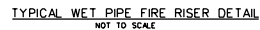
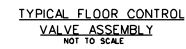
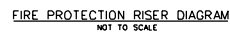
The DDC system shall accept a signal from a sunshielded outside air temperature sensing element and transmitter. The DDC system shall start and stop distribution pump, boiler pump, and boiler at the outside air temperatures shown. The DDC system shall reset the hydronic heating supply temperature setpoint in a linear schedule based on the outside air temperature as shown. The DDC system shall accept a signal from a temperature sensing element and transmitter located in the hydronic heating supply line and the DDC system output shall modulate the hydronic heating system control valve to maintain hydronic heating supply line."



NOTE:
STAIR TOWER #4 SIMILAR OPPOSITE HAND

NOTE:
1. EXISTING STAIRS NOTED #2 & 3 SHALL HAVE ALL NOSINGS, ADHESIVES, HANDRAILS, ETC., REMOVED DOWN TO BARE CONCRETE. ALL HOLES, CRACKS, POCKMARKS, BLEMISHES, ETC., SHALL BE FLASH PATCHED WITH EPOXY CEMENT TO A SMOOTH FLAT SURFACE. INSTALL NEW SAFETY NOSING IN ACCORDANCE WITH SPECS. SECTION 05500, PARAGRAPH 2.12.
2. ALL WELDS SHALL BE GRIND SMOOTH AND ALL NEW HANDRAILS, RAILINGS, STRINGER, & UNDERSIDE OF STAIRS SHALL BE PAINTED TO MATCH NEW DOORS & STAIRS.





ITEM NO	DESCRIPTION
1	RETARDING CHAMBER DRAIN
2	MAIN DRAIN VALVE
3	ALARM TEST VALVE
4	RETARDING CHAMBER
5	ALARM LINE STRAINER
6	PRESSURE SWITCH
7	WATER PRESSURE GAUGE
8	MAIN DRAIN
9	WATER MOTOR ALARM
10	CHECK VALVE
11	WET PIPE ALARM/CHECK VALVE
12	WATER MOTOR GONG DRAIN
13	WATER MOTOR ALARM LINE
14	FIRE DEPARTMENT CONNECTION
15	BALL DRP
16	DOMESTIC WATER CONNECTION AS REQUIRED
17	DOMESTIC WATER CONNECTION AS REQUIRED

NOTES:
1. RISER INSTALLATION SHALL
MEET REQUIREMENTS OF
NFPA-13.